



Plug In America[®]

WE DRIVE ELECTRIC. YOU CAN TOO.

EV Infrastructure and Utah

June 16, 2021

Who we are

- **The voice of the EV consumer** – in Utah and nationwide
- 501c3 nonprofit founded in 2008
- Our members represent the world's deepest pool of experienced EV drivers
- Two core areas:
 1. Policy and Advocacy
 2. Education and Outreach
 - PlugStar: dealers, consumers, utilities
 - National Drive Electric Week and Drive Electric Earth Day





Electrification
Coalition

The Electrification Coalition is a nonpartisan, nonprofit organization committed to policies and actions that facilitate widespread deployment and adoption of plug-in electric vehicles (EVs) to combat the economic, public health, and national security threats posed by America's dependence on oil.

For more information, visit electrificationcoalition.org.

Katherine Stainken
Sr. Director, EV Policy
kstainken@electrificationcoalition.org

25 State Ranking Report – where Utah fits

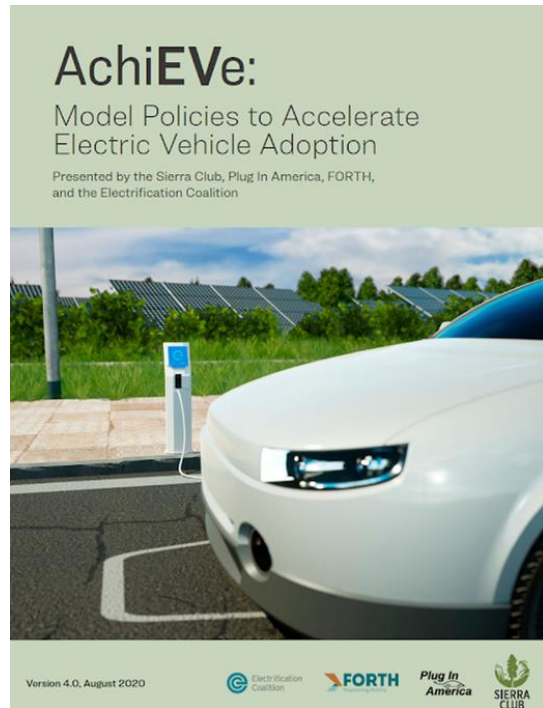
Category	Subcategories	Points Earned	Total Points Possible
Policies Supporting EV Purchase	EV purchase incentive	0	15
	Access to EVs	5	15
	HOV lane access/toll exemption	0	5
	Subtotal	5	35
Policies Supporting EV Driver During Ownership	Fair EV fee	9	9
	Clean fuels policy	0	7
	Public EVSE requirements	0	4
	Physical EVSE access	0	3
	Subtotal	9	23

- Snapshot of states in January 2021
- Only state level policy included
- Light-duty EV driver



Policies Enabling EV Infrastructure	Public Utility Commission activity	8	10
	Financial incentive enabling EVSE installation	7	10
	Non-financial policies enabling EVSE installation	3	3
	Ease of permitting	3	3
	HOA policy	0	1
	Subtotal	21	27
Education and Outreach Activities	Statewide campaign	6	9
	Programs to train dealers to sell EVs	0	6
	Subtotal	6	15
GRAND TOTAL		44	100

- Collaboration between PIA, Sierra Club, Electrification Coalition, Forth Mobility
- Designed for 6 key stakeholder groups:
 - Legislators; Governor's offices / state agencies; transit agencies; cities and local government, businesses; regulators & utilities
- Various categories of policies
 - Enable vehicle purchase
 - Increase charging infrastructure
 - Prioritize equity and expand access
 - Electrify fleets
 - And more!



Public Utility Commission Activity

EV-Utility Investments:

- HB 396 2020, \$50M authorized for utilities to invest in EVSE

Policies Enabling EV Infrastructure	Public Utility Commission activity	8	10
	Financial incentive enabling EVSE installation	7	10
	Non-financial policies enabling EVSE installation	3	3
	Ease of permitting	3	3
	HOA policy	0	1
	Subtotal	21	27

- Charging infrastructure funding and financing:
 - Workplace EV Charging Funding Assistance Program: 2019 General Legislative Session appropriated \$4.9 million for 50% of the EVSE purchase and installation for businesses, non-profit organizations, and other governmental entities.
 - Revolving Loan Funds: Typically, low-interest revolving loan funds provide a source of capital that governments can loan. In a revolving loan fund, as loans are repaid the capital is reloaned to fund new projects. Washington State's Department of Commerce has an Energy Revolving Loan Fund, and transportation electrification projects are eligible.
 - Congestion Mitigation and Air Quality (CMAQ) Funds: Establishment of EV chargers and related infrastructure is eligible for funding under CMAQ if the facility is publicly owned or leased.
- Corridor programs

Policies Enabling EV Infrastructure	Public Utility Commission activity	8	10
	Financial incentive enabling EVSE installation	7	10
	Non-financial policies enabling EVSE installation	3	3
	Ease of permitting	3	3
	HOA policy	0	1
	Subtotal	21	27

- Using VW Settlement Funds to Grow EV Charging Networks: 11% of eligible 15% going to light-duty ZEV EVSE



Financial Incentive Enabling EVSE Installation

Corridor Programs:

- **Nevada Electric Highway:**
 - Partnership between the Governor's Office of Energy, NV Energy, and Valley Electric Association
 - Reno and Las Vegas (US 95)
 - Charging site hosts are provided incentives for L2 and DCFC.
- **West Coast Electric Highway:**
 - Led by WashDOT, includes CA, OR, WA, BC
 - Interstate 5, Highway 99, and other major roadways from British Columbia through California.
 - Funded by ARRA, other public-private partnerships

Non-financial Policies Enabling EVSE Installation

Corridor programs:

- REV West MOU signed again in 2020
- HB 259, EV Charging Network Plan
6/30/21

Policies Enabling EV Infrastructure	Public Utility Commission activity	8	10
	Financial incentive enabling EVSE installation	7	10
	Non-financial policies enabling EVSE installation	3	3
	Ease of permitting	3	3
	HOA policy	0	1
	Subtotal	21	27

Why corridors?

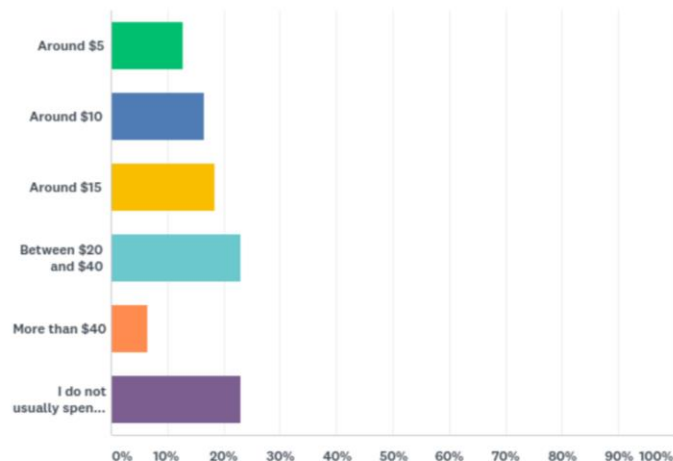
- Rural economic development aspect
 - EV drivers spend \$ while charging
- EV drivers need assurance stations are going to work when they get there

54%

54% of owners reported experiencing problems with public charging, with broken chargers being the most common issue

PIA EV Consumer Survey Report, 2020

Q8 About how much money do you typically spend while stopped for fast charging on a road trip?



PIA Survey of New England Drivers, 2019

Ease of Permitting & HOA Policy

- Ease of permitting: mostly a local issue, though on occasion efforts at the state level needed (i.e. CA “Permitting Olympics” needed to expedite permitting, and legislation)

Policies Enabling EV Infrastructure	Public Utility Commission activity	8	10
	Financial incentive enabling EVSE installation	7	10
	Non-financial policies enabling EVSE installation	3	3
	Ease of permitting	3	3
	HOA policy	0	1
	Subtotal	21	27

- HOA Policy / EV infrastructure at multi-unit dwellings: remove restrictions, provide clarifications for EVSE installation at MUDs
 - Colorado: Both individual tenants and landlords of MUDs can install electric vehicle supply equipment given certain restrictions in statute, but they are free from undue prohibitions from landlords and various associations, respectively.
 - Florida: House Bill 841 took effect on July 1, 2018, and allows unit owners in MUDs to install electric vehicle supply equipment at their own expense under certain conditions within the law. Condominium associations are also not allowed to prevent the construction of these spaces as before
 - Oregon: The Oregon Legislature put forth a similar bill that allows unit owners to install electric vehicle supply equipment in their MUD without being prohibited from doing so by a condominium association, HOA, etc.

Thank you!

Katherine Stainken
Sr. Director, EV Policy
kstainken@electrificationcoalition.org



Electrification
Coalition